

# Qi Mingfan

## List of Publications by Year in descending order

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12  
papers

257  
citations

1163117

8  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

147  
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of Gd content on the microstructure, mechanical properties, corrosion behavior and corrosion film deposition mechanisms of as-extruded Mg-Zn-Mn-Sr-Gd alloys for biomedical applications. <i>Journal of Materials Science</i> , 2022, 57, 2053-2072.	3.7	4
2	Microstructure refinement and corrosion resistance improvement mechanisms of a novel Al-Si-Fe-Mg-Cu-Zn alloy prepared by ultrasonic vibration-assisted rheological die-casting process. <i>Corrosion Science</i> , 2021, 180, 109180.	6.6	31
3	Synchronously Improving the Thermal Conductivity and Mechanical Properties of Al-Si-Fe-Mg-Cu-Zn Alloy Die Castings Through Ultrasonic-Assisted Rheofforming. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 1331-1344.	2.9	5
4	Effect of extrusion on the microstructure and corrosion behaviors of biodegradable Mg-Zn-Y-Gd-Zr alloy. <i>Journal of Materials Science</i> , 2020, 55, 1231-1245.	3.7	24
5	Microstructures refinement and mechanical properties enhancement of aluminum and magnesium alloys by combining tributary-confluence channel process for semisolid slurry preparation with high pressure die-casting. <i>Journal of Materials Processing Technology</i> , 2020, 285, 116800.	6.3	21
6	Improvement in mechanical, thermal conductivity and corrosion performances of a new high-thermally conductive Al-Si-Fe alloy through a novel R-HPDC process. <i>Journal of Materials Processing Technology</i> , 2020, 279, 116586.	6.3	33
7	Microstructures, mechanical properties, and corrosion behavior of novel high-thermal-conductivity hypoeutectic Al-Si alloys prepared by rheological high pressure die-casting and high pressure die-casting. <i>Journal of Alloys and Compounds</i> , 2018, 749, 487-502.	5.5	49
8	Microstructure, mechanical properties and corrosion behavior of Rheo-HPDC a novel Al-8Si-Fe alloy. <i>Materials Letters</i> , 2018, 213, 378-382.	2.6	17
9	Improving Microstructure and Mechanical Properties for Large-Diameter 7075 Aluminum Alloy Ingots by a Forced Convection Stirring Casting Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017, 48, 993-1003.	2.1	2
10	A forced convection stirring process for Rheo-HPDC aluminum and magnesium alloys. <i>Journal of Materials Processing Technology</i> , 2016, 234, 353-367.	6.3	47
11	Effects of Processing Parameters on Microstructure and Mechanical Properties of Rheomolded AZ91D Magnesium Alloy. <i>Transactions of the Indian Institute of Metals</i> , 2016, 69, 673-682.	1.5	2
12	R-HPDC Process with Forced Convection Mixing Device for Automotive Part of A380 Aluminum Alloy. <i>Materials</i> , 2014, 7, 3084-3105.	2.9	22